

U.S. Application No. 09/675,790 (Conf. No. 8873)
Reply to Office Action dated January 25, 2005

RSW9-2000-0119-US1

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions, and listings, of claims in this application:

Listing of Claims:

1. (Currently Amended) A method for upgrading ~~at least one of a plurality of~~ a computer programs stored on a server computer in a distributed computing environment, said method comprising:

preventing said server computer from servicing requests for an upgrade-ready computer program by sending a signal to stop routing requests for only said upgrade-ready computer program to said server computer, said server computer storing a plurality of computer programs, said plurality of computer programs including said upgrade-ready computer program;

while preventing said server computer from servicing requests for said upgrade-ready computer program, concurrently permitting said server computer to service client requests for other computer programs of said plurality of computer programs; and

while preventing said server computer from servicing requests for said upgrade-ready computer program, during upgrading of said upgrade-ready computer program on said server computer.

U.S. Application No. 09/675,790 (Conf. No. 8873)
Reply to Office Action dated January 25, 2005

RSW9-2000-0119-US1

2. (Currently Amended) The method of claim 1, further comprising ~~the steps~~
of:

~~(a)~~—preventing said server computer from receiving any new requests for said
computer program;

~~(b)~~—waiting until all of said server computer's current requests for said
computer program have ended;

~~(c)~~—acknowledging completion of upgrading of said computer program; and

~~(d)~~—permitting said server computer to receive any new requests for said
computer program.

3. (Currently Amended) The method of claim 2, wherein ~~step (a)~~ preventing
said server computer from receiving any new requests for said computer program
comprises ~~the step of~~:

~~(e)~~—sending a signal to a packet-switching router to instruct said packet-
switching router to stop routing requests for said computer program to said server
computer.

4. (Currently Amended) The method of claim ~~2~~ 3, wherein said signal ~~in step~~
~~(e)~~ to said packet-switching router to instruct said packet-switching router to stop routing
requests for said computer program to said server computer comprises an identification
code identifying said computer program.

5. (Original) The method of claim 4, wherein said identification code

U.S. Application No. 09/675,790 (Conf. No. 8873)
Reply to Office Action dated January 25, 2005

RSW9-2000-0119-US1

comprises a universal resource locator.

6. (Original) The method of claim 4, wherein said identification code comprises a filename.

7. (Currently Amended) The method of claim 2, wherein ~~step (d)~~ permitting said server computer to receive any new requests for said computer program comprises ~~the step of~~:

(f) — sending a signal to a packet-switching router to instruct said packet-switching router to begin routing requests for said computer program to said server computer.

8. (Currently Amended) The method of claim 7, wherein said signal ~~in step (f)~~ sent to said packet-switching router to instruct said packet-switching router to begin routing requests for said computer program to said server computer includes an identification code identifying said computer program.

9. (Currently Amended) The method of claim 2, wherein ~~step (e)~~ sending said signal comprises ~~the step of~~:

(g) — maintaining a server list, said server list identifying a computer program and an server computer for satisfying a request for said computer program; and

(h) — identifying said computer program and said server computer to said router.

**U.S. Application No. 09/675,790 (Conf. No. 8873)
Reply to Office Action dated January 25, 2005**

RSW9-2000-0119-US1

10. (Currently Amended) The method of claim 9, wherein said signal ~~in step (f)~~ is sent to a packet-switching router to instruct said packet-switching router to begin routing requests for said computer program to said server computer, said signal comprises an identification code read from said server list.

11. (Currently Amended) The method of claim 2, further comprising ~~the step of:~~

(i) ~~maintaining~~ a session list of active client requests serviced by said server computer, said session list identifying a client request and a computer program requested by said client.

12. (Canceled).

13. (Currently Amended) The method of claim 2, further comprising ~~the step of:~~

(k) ~~repeating steps (a) through (d)~~ the method of claim 2 for a next server computer storing said computer program.

14. (Previously Presented) The method of claim 2, wherein ~~step (e)~~ acknowledging completion of upgrading of said computer program comprises ~~the step of:~~

(l) ~~receiving~~ a signal from an application server upon completion of

U.S. Application No. 09/675,790 (Conf. No. 8873)
Reply to Office Action dated January 25, 2005

RSW9-2000-0119-US1

upgrading of said computer program at said server computer.

15-16. (Canceled)

17. (Currently Amended) A method for upgrading one of a plurality of executable computer programs stored on a server computer in a distributed computing environment, said method comprising ~~the steps of~~:

(a) ~~instructing a router to stop routing requests for said executable computer program to said server computer while permitting said router to continue routing requests for other executable computer programs to said server computer;~~

(b) ~~waiting until said server computer is no longer supporting a current client request for said executable computer program;~~

(c) ~~after completion of upgrading of said executable computer program, instructing said router to begin routing requests for said executable computer program to said server computer.~~

18. (Currently Amended) The method of claim 17, wherein ~~step (a) instructing said router to stop routing requests for said executable computer program to said server computer while permitting said router to continue routing requests for other executable computer programs to said server computer comprises sending a signal to said a packet-switching router identifying said computer program and said server computer, said signal comprising information retrieved from a server list and identifying said computer program.~~

**U.S. Application No. 09/675,790 (Conf. No. 8873)
Reply to Office Action dated January 25, 2005**

RSW9-2000-0119-US1

19. (Currently Amended) The method of claim 17, wherein ~~step (b)~~ waiting until said server computer is no longer supporting a current client request for said computer program comprises receiving a signal from said server computer, said server computer maintaining a list of active client requests, said list identifying said computer program, said server computer sending said signal when said list reflects no active client requests for said computer program.

20. (Currently Amended) The method of claim 17, wherein ~~step (e)~~ instructing said router to begin routing requests for said computer program to said server computer comprises sending a signal to said router identifying said computer program and said server computer, said signal comprising information retrieved from a server list and identifying said computer program.

21. (Currently Amended) The method of claim 2, wherein ~~step (a)~~ preventing said server computer from servicing requests for an upgrade-ready computer program while permitting said server computer to service client requests for other computer programs during upgrading of said upgrade-ready computer program on said server computer comprises:

~~(e)~~—sending a signal to a packet-switching router to instruct said packet-switching router to stop routing requests for said computer program to said server computer while permitting said packet-switching router to continue routing requests for other computer programs to said server computer.

U.S. Application No. 09/675,790 (Conf. No. 8873)
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RSW9-2000-0119-US1

22. (Canceled)